

Re: U.S. Patent Application No. 10/019,698
Inventor: Osamu WADA
Our Ref.: 111618

17. (Currently Amended) A ~~program embodied on a computer-readable~~ information storage medium ~~or in a carrier wave, that~~ on which is recorded a program for correcting a color of a presentation image and displaying the presentation image, adapting to a visual environment, the program ~~implementing in a~~ causing a computer to function as comprising:

a visual environment detection section that detects the visual environment within a display region of the presentation image, and creates visual environment information;

a colored-light information processing section that converts the visual environment information into a coordinate value within a given color space, and obtains a coordinate value forming a complementary color pair with the converted coordinate value, based on a coordinate value within the given color space of the given color within a given reference environment and the converted coordinate value;

a correction section that corrects input-output characteristic data for display that is used by the image, based on the obtained coordinate value forming the complementary color pair; and

device that controls a display section to display the presentation image, based on the corrected input-output characteristic data, the complementary color pair comprising colors forming gray when mixed together with the converted coordinate value within the visual environment.

18. (Currently Amended) The ~~program computer-readable information storage~~ medium as defined by claim 17, wherein the program stored thereon causes the correction section

performing a gamma correction as correction of the input-output characteristic data, based on the coordinate value forming the complementary color pair.

19. (Currently Amended) The ~~program~~ computer-readable information storage medium as defined by claim 18, wherein the program stored thereon causes the display region being a region on a screen, and the display section comprising a projection means which projects the presentation image towards the screen.

20. (Currently Amended) The ~~program~~ computer-readable information storage medium as defined by claim 19, wherein the program stored thereon causes the visual environment detection section detecting a visual environment that takes into account at least a type of screen.

21. (Currently Amended) The ~~program~~ computer-readable information storage medium as defined by claim 20, wherein the program stored thereon causes the visual environment detection section detecting a visual environment that takes into account at least ambient light.